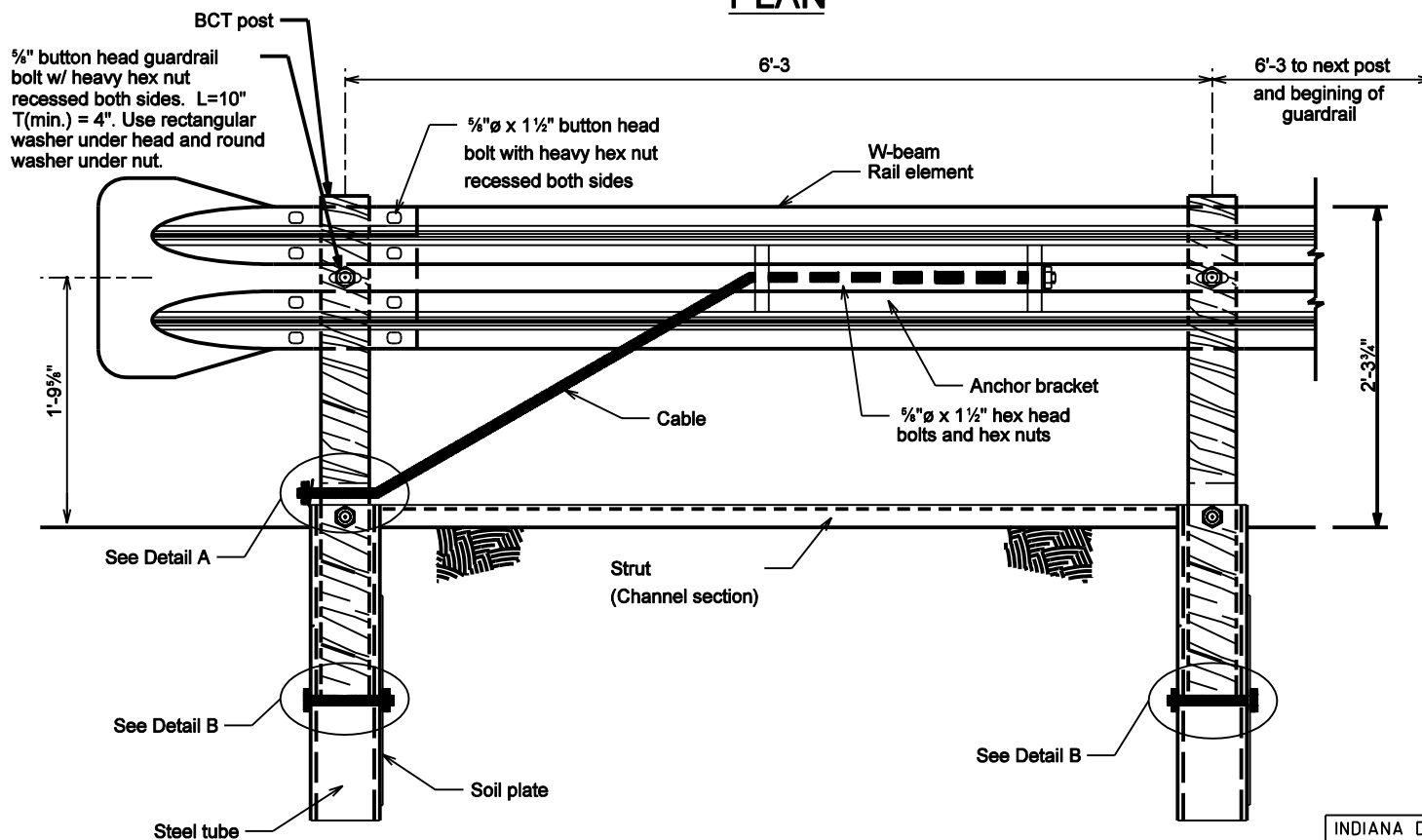


PLAN

NOTES:

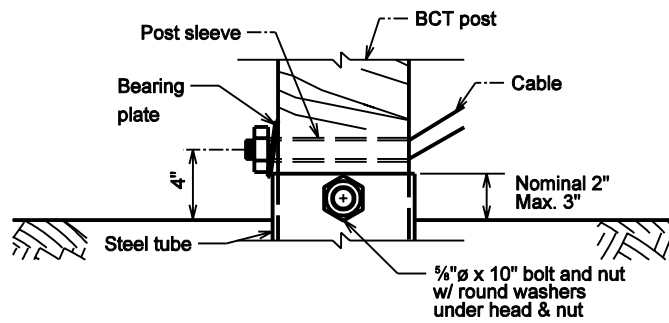
1. See Recurring Plan Details E 601-R-386d 2 for Details A and B.



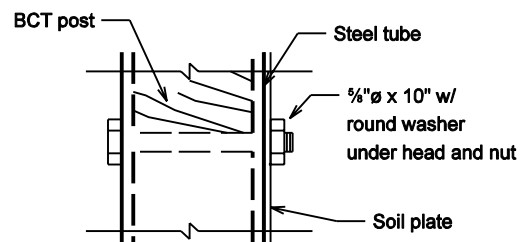
ELEVATION

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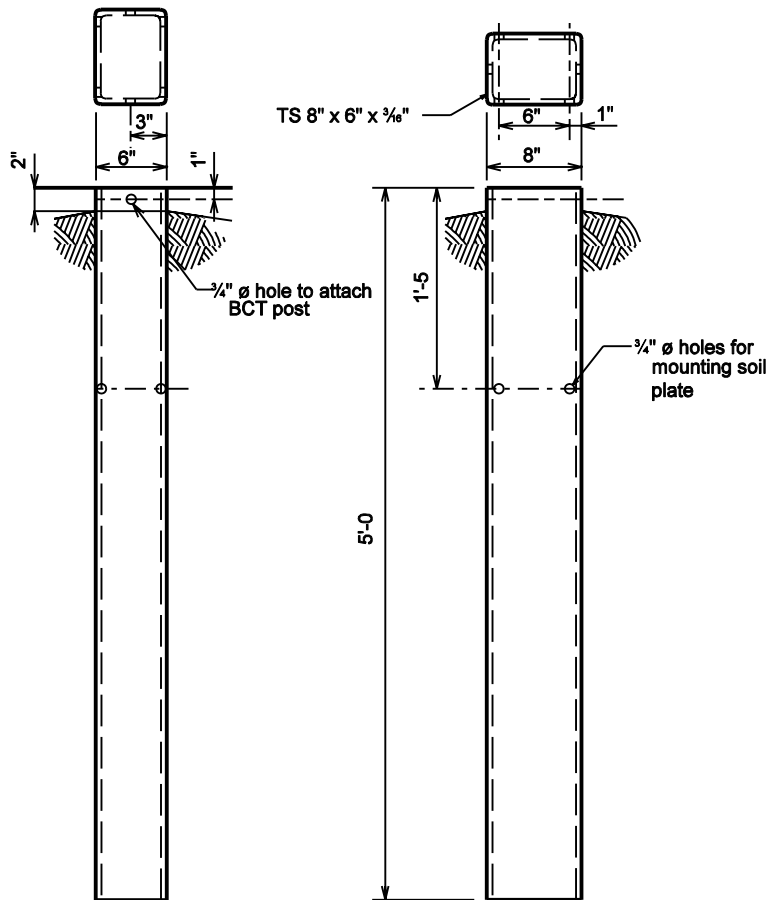
CABLE TERMINAL ANCHOR SYSTEM



DETAIL A

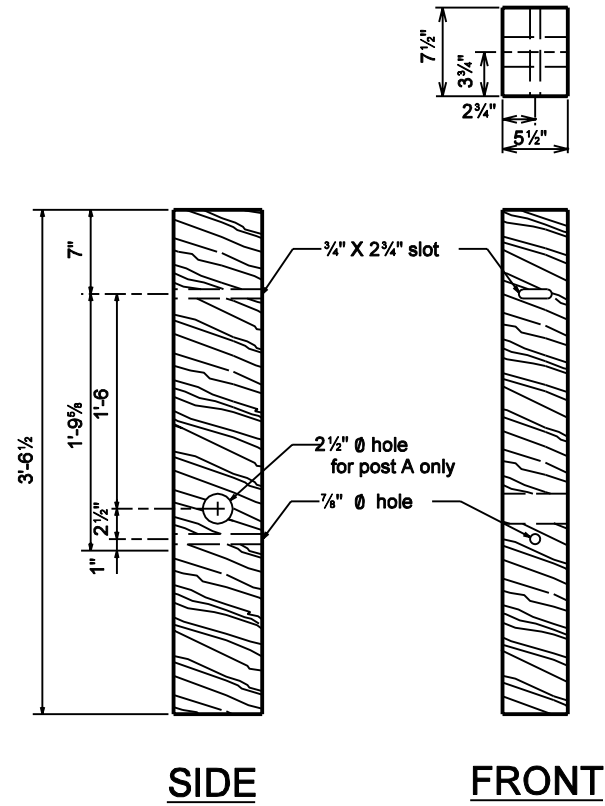


DETAIL B

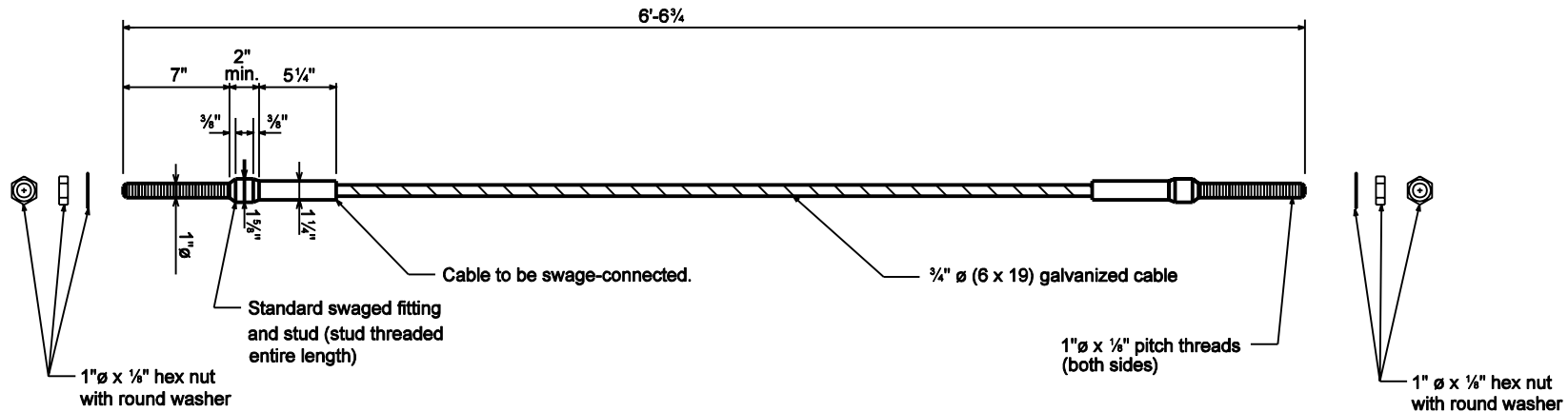


FRONT
GALVANIZED STEEL
FOUNDATION TUBE

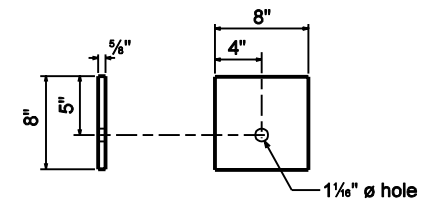
SIDE



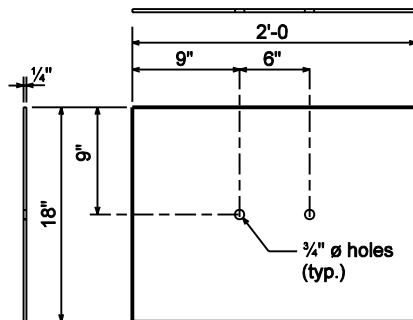
SIDE
FRONT
BCT TIMBER POST



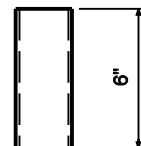
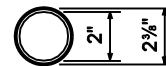
BCT CABLE ANCHOR ASSEMBLY



BCT BEARING PLATE



FOUNDATION TUBE SOIL PLATE

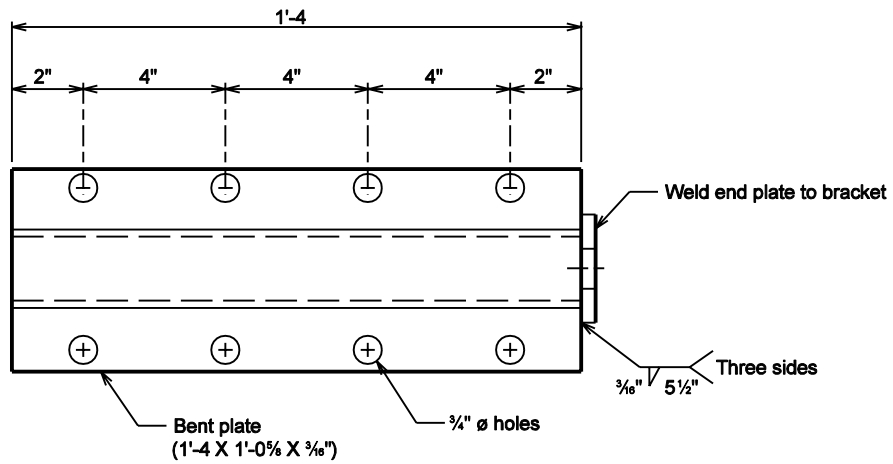
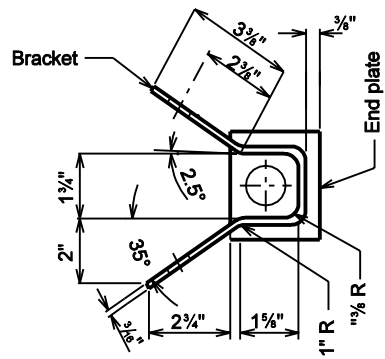
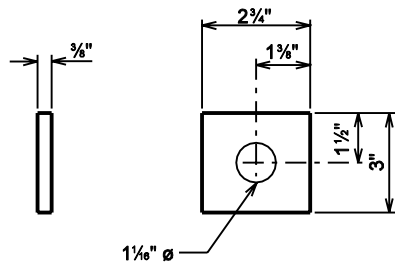


BCT POST SLEEVE

INDIANA DEPARTMENT OF TRANSPORTATION

CABLE TERMINAL ANCHOR SYSTEM

E 601-R-386d 5

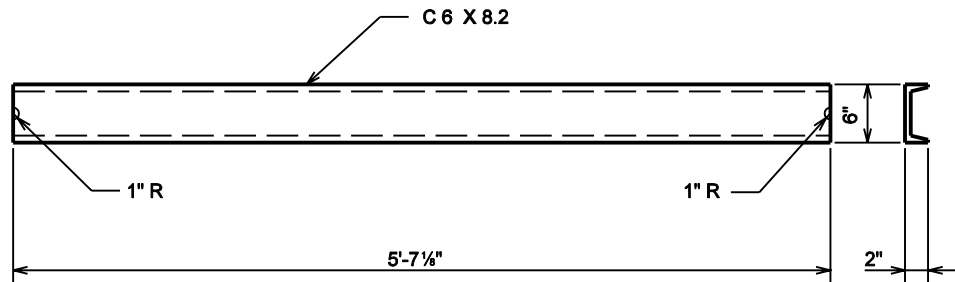
**BRACKET**

END PLATE

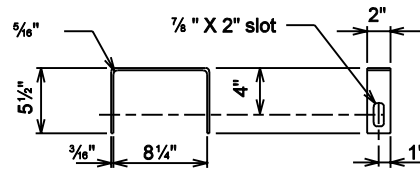
GUARDRAIL ANCHOR BRACKET

INDIANA DEPARTMENT OF TRANSPORTATION

CABLE TERMINAL ANCHOR SYSTEM



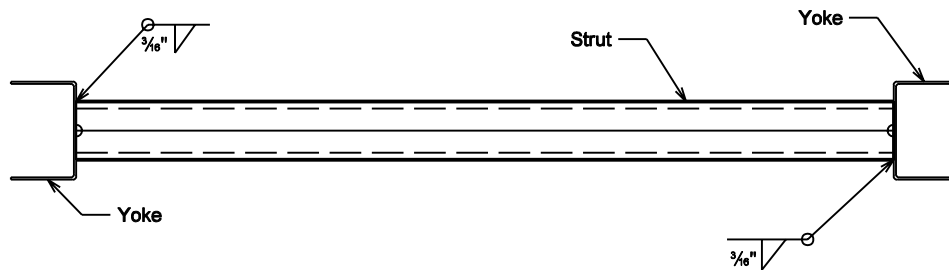
STRUT DETAILS



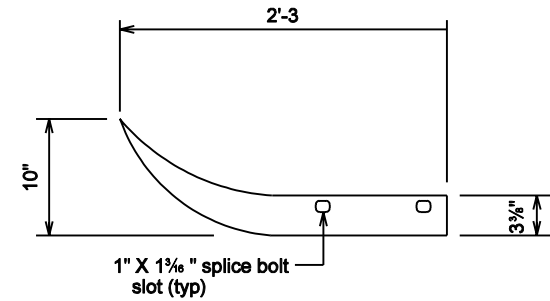
YOKE DETAILS

(2 required)

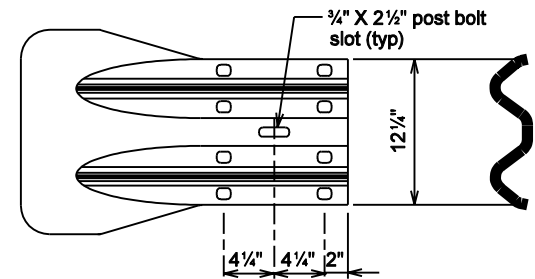
STRUT AND YOKE ASSEMBLY



ASSEMBLY DETAILS



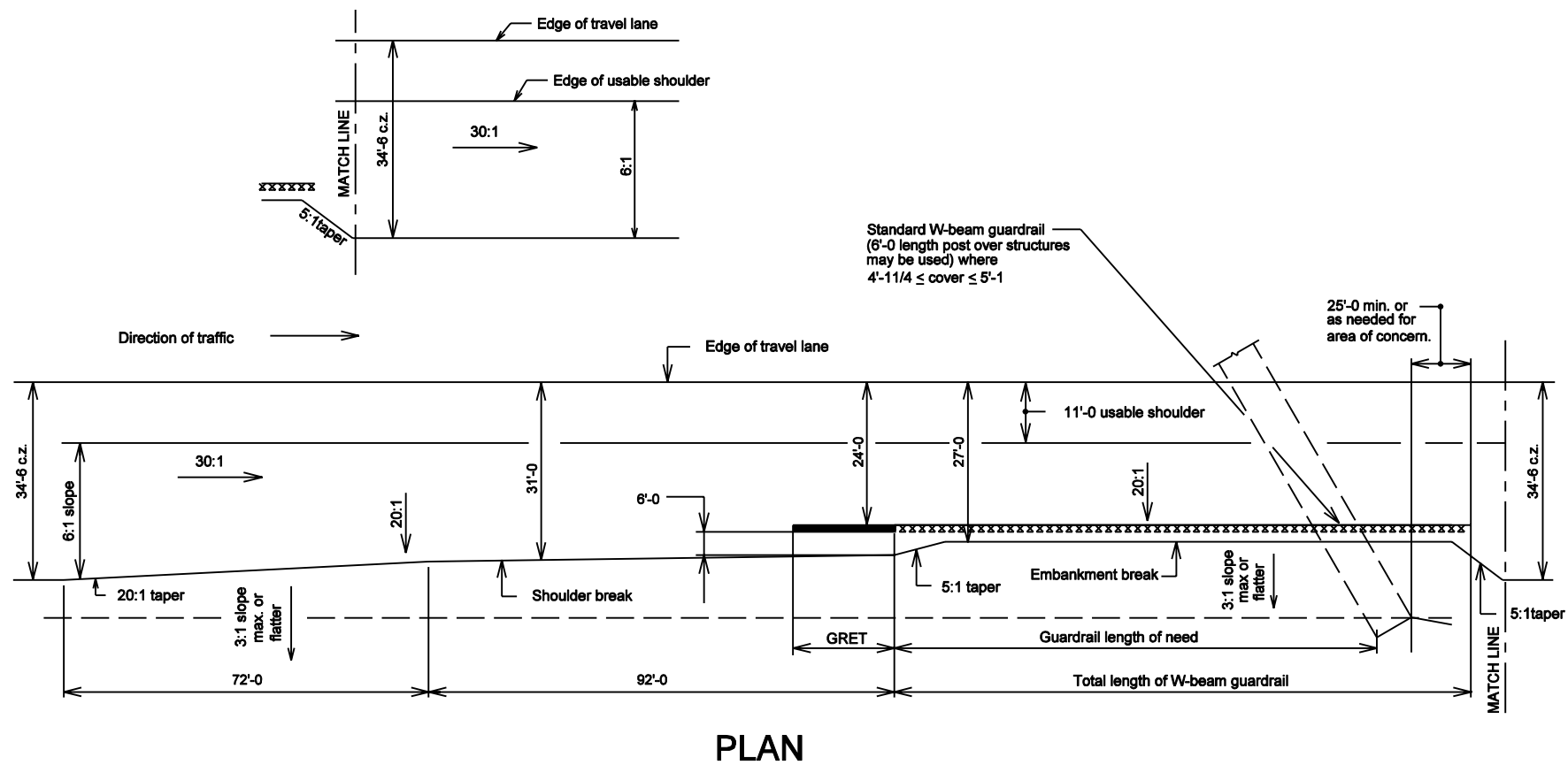
PLAN



ELEVATION

FLARED W-BEAM END SECTION

E 601-R-386d 7

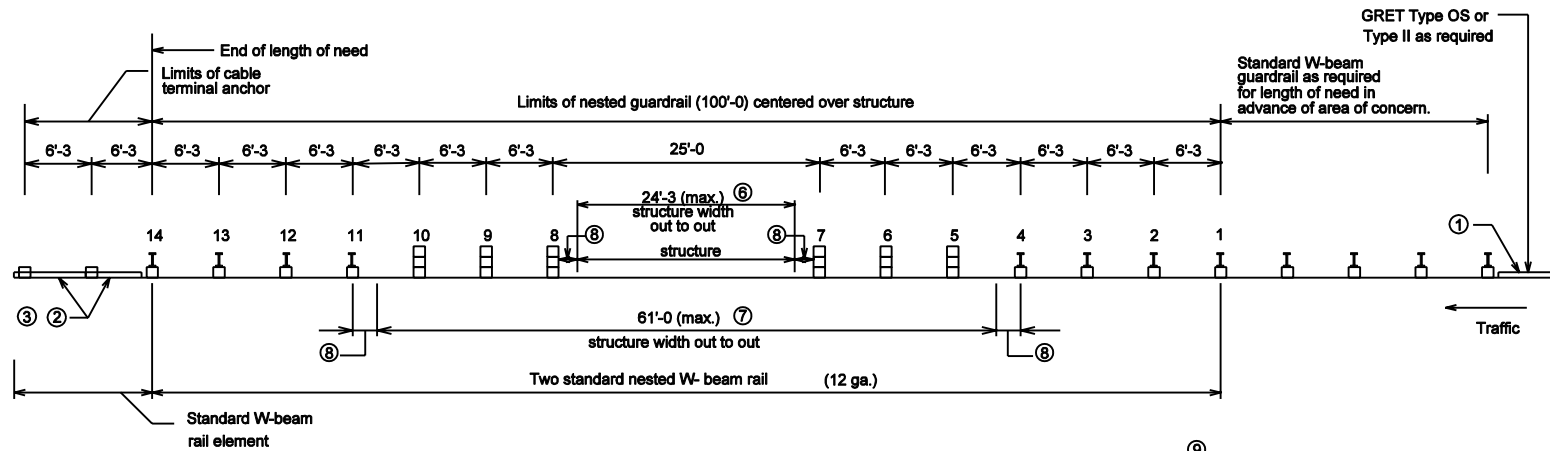


NOTES:

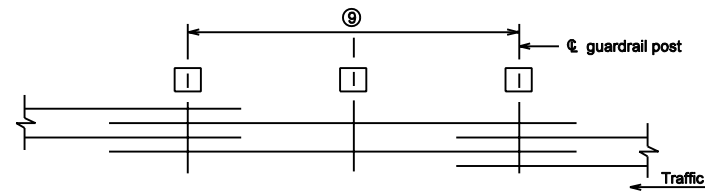
1. Grading requirements shown are for 5'-6 or larger structures, and three-sided structures on project constructed on new alignment for design speed of 70 mph rural divided highway.
2. Grading shown above is applicable for 25'-0 span nested guardrail also.
3. Grading requirements for 5'-6 or larger structures and three sided structures constructed on existing alignments at all design speeds are shown in standard Drawings E 601-GRET 06 through 09.

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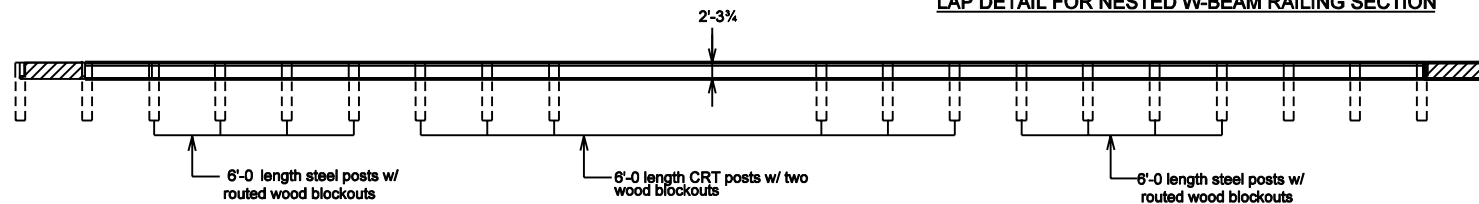
GRADING REQUIREMENTS FOR LARGE DRAINAGE STRUCTURES



PLAN



LAP DETAIL FOR NESTED W-BEAM RAILING SECTION



ELEVATION

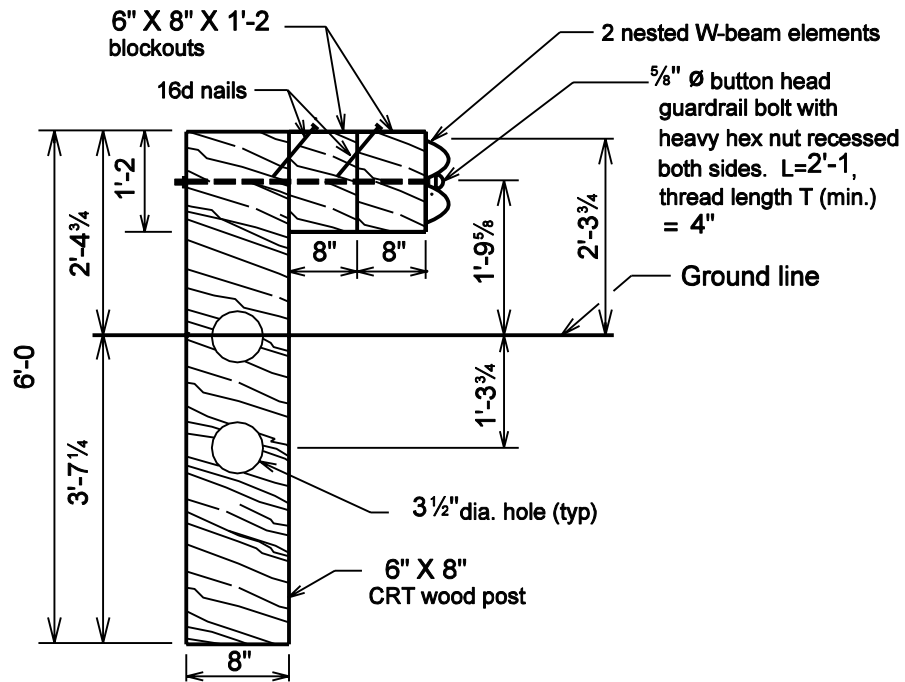
NOTES:

- ① Use GRET type OS.
- ② For two-lane two-way operation, use GRET type OS.
For structure width > 24'-3, provide three additional spans of standard W-beam guardrail at 1905 each before attaching the GRET.
- ③ For multi-lane divided operation, use cable terminal anchor.
See Recurring Plan Details E 601-R-386d 1 through E 601-R-386d 6
4. See standard Drawings E 601-GRET-10, 11, and E 601-WBGA-06 for GRET Type II details.
5. See Recurring Plan Details E 601-R-386d 9, 10, and 11 for post and block assemblies details.
- ⑥ Maximum structure width shall be 24'-3 out to out of structure(s) parallel to roadway centerline for skewed or perpendicular structure. In this case posts are not located over any portion of structure.
- ⑦ Maximum structure width shall be 61'-0 out to out of structure(s) parallel to roadway center line for skewed or perpendicular structure. Modified posts (5 through 10) over the structure where required, see Recurring Plan Details E 601-R-386d 10. The remaining wood posts shall be as shown on Recurring Plan Details E 601-R-386d 9

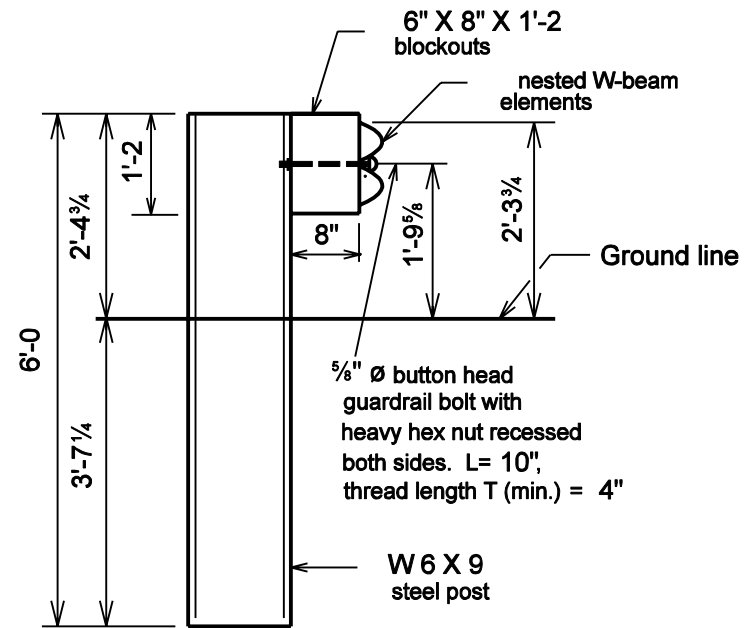
NOTES:

- ⑧ Post shall clear outer structure side by 4" min.
- ⑨ This dimension is 25'-0 between posts 7 and 8. This dimension is 12'-6 or 25'-0 elsewhere.
10. For grading requirements see Standard Drawing E 601-GRET-08 through 09 and Recurring Plan Details E 601-R-386d 7.

INDIANA DEPARTMENT OF TRANSPORTATION
**25'-0 SPAN NESTED GUARDRAIL
 FOR LARGE DRAINAGE STRUCTURE**



NESTED GUARDRAIL ASSEMBLY.
(Posts 5 to 10)

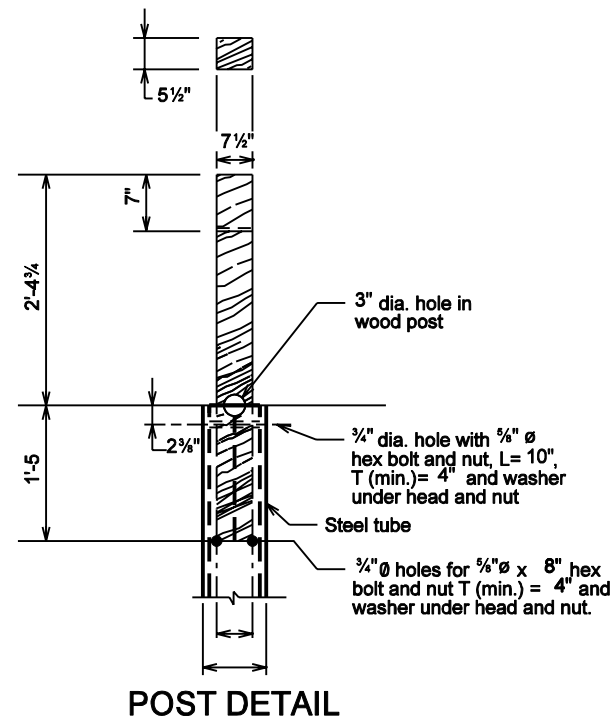


**STEEL POST AND BLOCK FOR USE WITH
NESTED GUARDRAIL ASSEMBLY**
(Posts 1 to 4 and 11 to 14)

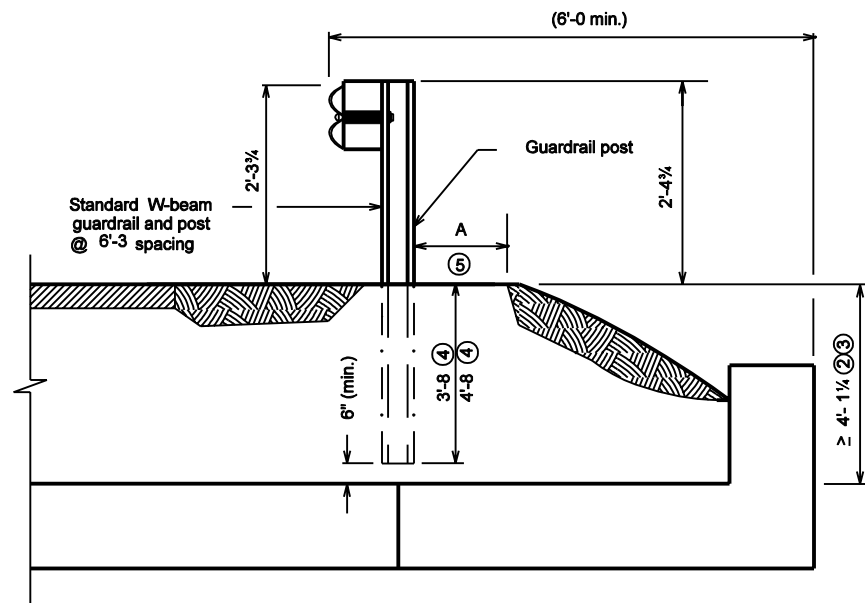
— 5/8" Ø button head
guardrail bolt with
heavy hex nut
recessed both sides
L = 2'-1", thread length
T(min.) = 4"

NESTED W-BEAM GUARDRAIL
ASSY. WITH MODIFIED POSTS
OVER STRUCTURE WIDTH
(POSTS 5 TO 10)

① Use modified guardrail posts.



GUARDRAIL ASSEMBLY FOR STRUCTURE WIDTH > 24'-3"



GUARDRAIL ASSEMBLY FOR COVER $\geq 4'-1\frac{1}{4}$
FOR ANY STRUCTURE WIDTH

NOTES:

- 1 This drawing shall be used for any structure width provided depth of cover over structure $\geq 4'-1\frac{1}{4}$
- 2 The 6'-0 length guardrail post shall be used if $4'-1\frac{1}{4} \leq \text{cover} \leq 5'-1$.
- 3 The 7'-0 long guardrail post shall be used if cover $> 5'-1$.
- 4 3'-8 for 6'-0 length post and 4'-8 for 7'-0 length post.
- 5 A = 2'-0 for 6'-0 length post.
A = 0 (min.) for 7'-0 length post.

INDIANA DEPARTMENT OF TRANSPORTATION

**GUARDRAIL ASSEMBLY FOR
ANY STRUCTURE WIDTH**